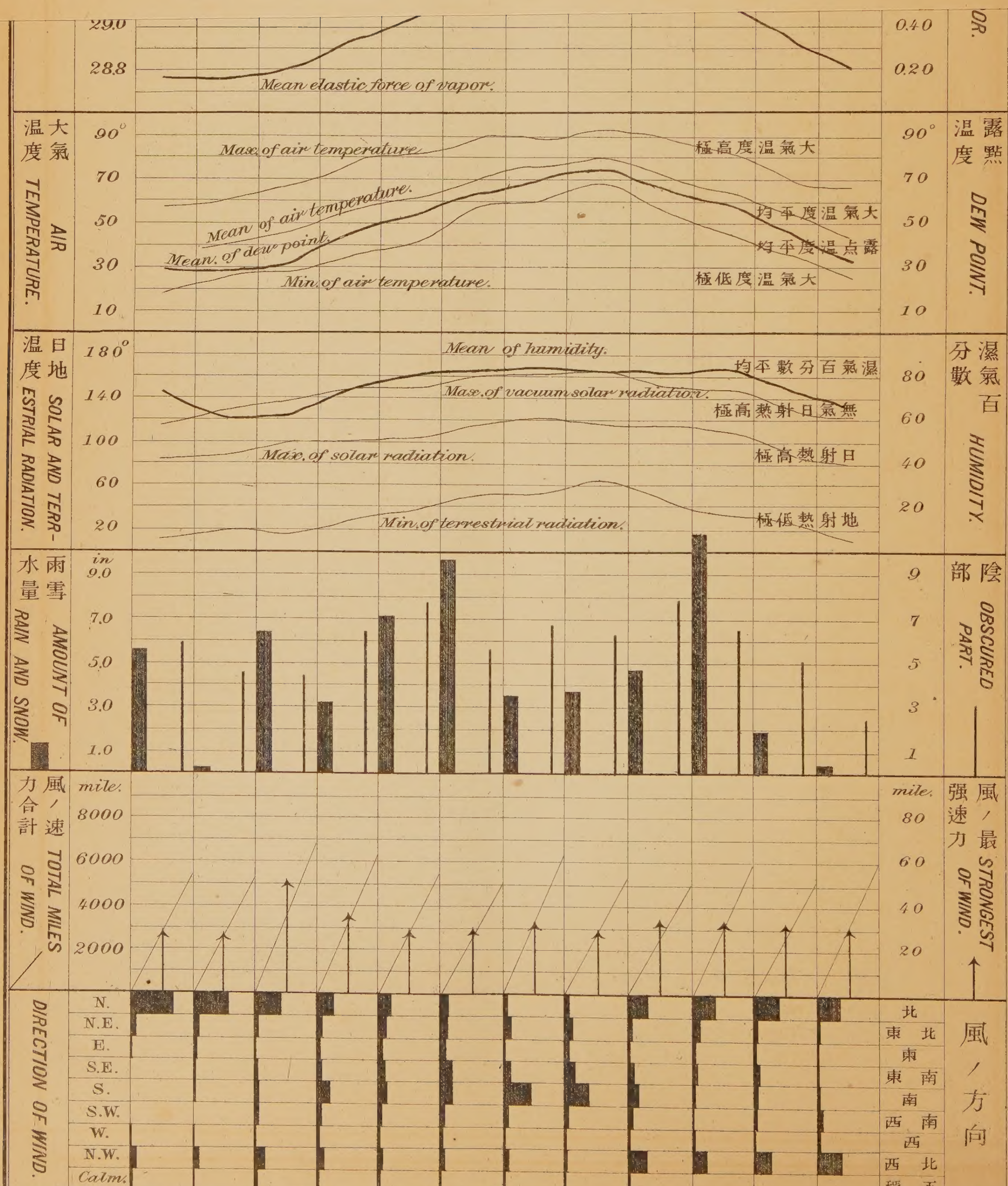
明治二十一年三月刊行

明治十九年三月
廿三日出版屆濟

定價金七錢


29.0
28.8
0.40
0.20
Mean elastic force of vapor.
OR.
大氣温度
AIR TEMPERATURE.
90°
70
50
30
10
Max. of air temperature.
大氣温度高極
Mean of air temperature.
大氣温度平均
Mean. of dew point.
露点温度平均
Min. of air temperature.
大氣温度低極
露點温度
DEW POINT.
日地温度
SOLAR AND TERRESTRIAL RADIATION.
180°
140
100
60
20
Mean of humidity.
濕氣百分數平均
Max. of vacuum solar radiation.
無氣日射熱高極
Max. of solar radiation.
日射熱高極
Min. of terrestrial radiation.
地射熱低極
80
60
40
20
濕氣百分數
HUMIDITY.
雨雪水量
AMOUNT OF RAIN AND SNOW.
in
9.0
7.0
5.0
3.0
1.0
9
7
5
3
1
陰部
OBSCURED PART.
風ノ速力合計
TOTAL MILES OF WIND.
mile.
8000
6000
4000
2000
mile.
80
60
40
20
風ノ最强速力
STRONGEST OF WIND.
DIRECTION OF WIND.
N.
N.E.
E.
S.E.
S.
S.W.
W.
N.W.
Calm.
北
東北
東
東南
南
西南
西
西北
穩平
風ノ方向

観象臺長 海軍五等技師 中川將行閲

観測士 同六等技師 伊藤直温

観測助手 海軍屬 嘉納謙作

同 海軍七等技手 小澤兼藏

同 海軍屬 日比翁助

同 同 白井正信

同 同十等技手 永江董

(Signed) Director.

M. Nakagawa.

Observer.

N. Itō.

Assistants.

„ K. Kanō.

„ K. Ozawa.

„ O. Hibi.

„ M. Shirai.

„ T. Nagaye.

月次 Months.	地震 Earthquake.	雷鳴 Thunder.
一月 Jan.	5	1
二月 Feb.	6	...
三月 Mar.	3	1
四月 Apr.	2	...
五月 May	5	4
六月 June	5	3
七月 July	3	4
八月 Aug.	1	2
九月 Sept.	8	...
十月 Oct.	...	1
十一月 Nov.	4	...
十二月 Dec.	7	2
合計 Total.	49	18

明治二十年氣象報告記事摘要

晴雨計 （高極三十寸、五一三 一月十七日 / 低極二十九寸、〇五一 三月九日）

寒暖計 （高極九十二度、一 八月廿八日 / 低極十八度、二 一月九日）

無氣日射熱高極百六十三度、九 八月十九日

日射熱高極 百廿一度、一 七月九日

地射熱低極 十一度、五 十二月廿七日

强風 三月十二日 （一時間速力四十英里以上ナルモノヲ摘ク）

降雪日 一月（六日、十一日、十八日、廿五日） 二月（一日、二日、九日、十日、廿一日） 三月（七日、九日、廿三日） 十二月（卅一日）

雨雪水量 五十六英寸、七九 二十年中

晴部 四分

陰部 六分 （毎三時ノ験測ニ因テ一ケ年間ノ晴部陰部ヲ分別シテ之ヲ時間ニ比例シタルモノニ係ル）

Averages, Extremes, &c. for the year 1887.

Maximum pressure of air .... 30.513 inches on 17th January.
Minimum " " .... 29°.051 " " 9th March.
Maximum Temperature of air .. .. 92°.1 " 28th August.
Minimum " " .... 18°.2 " 9th Janualy.
Highest solar radiation .... 121°.1 " 9th July.
" " " in vacuo .... 163°.9 " 19th August.
Lowest Terrestrial radiation .... 11°.5 " 27th December.
Wind above 40 miles per hour .... " 12th March.

Days of snow { 6, 11, 18, 25, Jan. 1, 2, 9, 10, 21, Feb.
7, 9, 23, Mar, 31, Dec.

Amount of rain including melted snow .... 56. 79 inches.
Mean amount of cloud, from the observations made 8 times a day .... 0. 60.

傾差及地平磁氣力

INCLINATION AND HORIZONTAL INTENSITY.

月日 Date.	測時 Time.	傾差 Inclination.	測時 Time.	温度 Temperature.	偏鍼角 Angle of deflection.	温度 Temperature.	一振之時 Time of one Oscillations.	地平磁氣力 Horizontal Intensity.
	h m	° ′	h m	°	° ′ ″	°	s	
January 3.	5 4. P. M.	49 34.4	4 0 P. M.	58.4	3 18 4.6	54.4	4.457	6.3220
30.	5 8. ″	49 45.5	3 58. ″	49.9	3 18 7.9	49.4	4.458	6.3208
February 2	5 18. ″	49 39.8	4 13. ″	45.9	3 17 54.6	44.9	4.458	6.3249
17.	6 2. ″	49 39.8	4 43. ″	58.3	3 17 36.9	55.8	4.463	6.3212
March 8.	5 15. ″	49 42.2	3 48. ″	51.5	3 17 29.2	51.6	4.463	6.3261
25.	4 30. ″	49 41.4	3 5. ″	56.9	3 17 25.4	57.8	4.459	6.3319
April 10.	5 39. ″	49 40.7	4 5. ″	66.3	3 17 10.2	68.7	4.467	6.3260
26.	5 44. ″	49 37.9	4 50. ″	65.4	3 16 51.3	73.3	4.467	6.3325
May 8.	5 19. ″	49 37.7	4 3. ″	70.0	3 16 43.3	67.9	4.464	6.3332
17.	4 45. ″	49 40.9	4 45. ″	64.0	3 17 18.3	62.5	4.464	6.3250
June 8.	5 13. ″	49 38.2	4 9. ″	73.6	3 16 44.0	72.9	4.467	6.3314
29.	6 11. ″	49 34.6	4 57. ″	75.3	3 13 27.5	74.6	4.507	6.3278
July 5.	5 44. ″	49 36.4	4 21. ″	76.0	3 13 37.1	76.0	4.502	6.3309
20.	6 24. ″	49 39.7	5 20. ″	85.0	3 13 35.4	84.0	4.506	6.3258
August 6.	5 25. ″	49 41.7	4 49. ″	80.0	3 13 30.6	80.6	4.508	6.3255
25.	5 4. ″	49 37.2	3 44. ″	88.0	3 12 57.5	86.0	4.509	6.3302
September 3.	3 38. ″	49 37.4	2 20. ″	84.0	3 12 37.9	84.8	4.516	6.3277
21.	4 51. ″	49 38.1	3 48. ″	74.6	3 12 0.4	75.0	4.521	6.3315
October 10.	5 40. ″	49 39.8	4 43. ″	74.9	3 11 52.5	74.2	4.525	6.3271
21.	5 15. ″	49 42.1	4 16. ″	74.5	3 10 16.6	72.4	4.539	6.3348
November 4.	5 3. ″	49 40.9	3 49. ″	66.6	3 10 43.3	65.2	4.537	6.3375
26.	3 44. ″	49 36.9	2 32. ″	63.0	3 10 40.0	61.8	4.540	6.3264
December 7.	4 39. ″	49 43.2	3 35. ″	62.4	3 8 34.8	60.7	4.560	6.3329
21.	4 2. ″	49 39.6	2 49. ″	53.0	3 9 38.8	54.6	4.550	6.3307

磁氣觀測之年報

東京海軍觀象臺

REPORT OF THE MAGNETICAL OBSERVATIONS FOR THE YEAR 1887.

NAVAL OBSERVATORY, TOKIO.

磁氣偏差

MAGNETIC DECLINATION.

日次 Date.	一月 Jan.	二月 Feb.	三月 Mar.	四月 Apr.	五月 May	六月 June	七月 July	八月 Aug.	九月 Sept.	十月 Oct.	十一月 Nov.	十二月 Dec.
	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
1	4 10.3	3 59.2	4 9.2	4 7.7	4 5.7	4 6.1	4 7.5	4 3.3	4 7.3	4 9.4	4 9.5	4 11.6
2	4 10.2	3 58.4	4 11.2	4 6.9	4 5.8	4 5.1	4 5.0	4 4.1	4 6.6	4 6.9	4 8.3	4 11.4
3	4 9.9	3 57.2	4 10.0	4 8.1	4 6.5	4 4.4	4 6.9	4 4.7	4 6.9	4 8.6	4 9.7	4 10·7
4	4 11.9	4 0.8	4 9.8	4 7.8	4 4.5	4 4.3	4 5.3	4 6.8	4 7.7	4 8.2	4 9.9	4 10.3
5	4 11.8	3 59.3	4 8.4	4 8.5	4 4.9	4 4.9	4 6.5	4 6.0	4 7.1	4 8.1	4 10.0	4 10.2
6	4 11.2	3 58.4	4 9.9	4 8.6	4 3.8	4 5.4	4 4.1	4 5.5	4 6.2	4 7.2	4 8.2	4 10.2
7	4 10.9	4 0.2	4 12.2	4 8.9	4 3.1	4 4.7	4 9.3	4 6.0	4 6.1	4 10.2	4 7.0	4 10.0
8	4 10.7	3 59.0	4 11.1	4 9.6	4 5.7	4 3.8	4 8.4	4 7.3	4 5.5	4 8.4	4 8.1	4 10.3
9	4 10.6	3 58.5	4 10.4	4 10.5	4 4.6	4 6.6	4 7.5	4 3.5	4 6.3	4 5.4	4 8.8	4 9.5
10	4 11.9	4 0.1	4 8.2	4 5.9	4 5.0	4 7.3	4 6.6	4 3.1	4 6.4	4 5.8	4 8.5	4 8.7
11	4 12.3	4 0.3	4 8.3	4 5.8	4 6.3	4 7.4	4 7.7	4 3.2	4 8.0	4 7.3	4 9.3	4 10.6
12	4 10.8	4 0.5	4 8.7	4 6.8	4 6.1	4 8.1	4 7.8	4 3.3	4 8.6	...	4 10.2	4 10.2
13	4 10.9	3 59.7	4 8.6	4 6.5	4 6.4	4 9.5	4 9.3	4 4.3	4 8.9	4 11.2	4 9.5	4 10.5
14	4 10.1	4 2.4	4 9.4	4 4.6	4 4.3	4 8.8	4 8.6	4 1.6	4 8.5	4 13.1	4 8.2	4 10.9
15	4 12.1	4 1.0	4 8.0	4 3.5	4 6.7	4 7.6	4 7.7	4 4.5	4 8.0	4 13.1	4 10.2	4 10.0
16	4 11.6	4 1.8	4 8.8	4 1.8	4 5.4	4 7.6	4 8.4	4 4.9	4 8.1	4 11.8	4 7.9	4 10.2
17	4 10.3	4 1.1	4 7.8	4 6.7	4 4.2	4 6.8	4 9.3	4 4.4	4 6.6	4 12.7	4 7.9	4 11.0
18	4 11.5	4 1.5	4 8.3	4 5.2	4 5.0	4 5.1	4 6.2	4 2.8	4 8.9	4 12.6	4 10.3	4 13.0
19	4 12.5	4 0.7	4 7.9	4 5.7	4 5.0	4 6.0	4 9.5	4 4.5	...	4 7.2	4 8.8	4 12.7
20	4 11.0	4 1.1	4 9.1	4 4.8	4 5.3	4 3.2	4 6.8	4 4.2	4 10.5	4 9.3	4 9.7	4 11.2
21	4 11.5	4 1.3	4 9.7	4 5.2	4 3.9	4 4.3	4 6.3	4 3.5	4 11.1	4 8.5	4 8.8	4 10.9
22	4 11.4	4 2.8	4 8.3	4 4.0	4 4.6	4 5.4	4 5.2	4 3.6	4 9.2	4 10.3	4 8.5	4 11.0
23	4 12.2	4 0.3	4 10.1	4 4.4	4 4.2	4 6.2	4 5.3	4 5.5	4 9.0	4 11.8	4 11.6	4 10.6
24	4 11.9	4 1.7	4 8.1	4 3.9	4 2.6	4 7.6	4 4.0	4 2.9	4 7.9	4 10.6	4 13.1	4 9.0
25	4 11.4	4 0.6	4 7.6	4 3.4	4 6.2	4 7.9	4 5.2	4 3.8	4 7.8	4 7.1	4 11.4	4 9.0
26	4 11.4	4 0.1	4 7.0	4 4.2	4 5.1	4 6.8	4 5.3	4 3.5	4 12.7	4 7.2	4 10.7	4 10.1
27	4 11.6	4 0.3	4 7.1	4 6.2	4 4.6	4 6.7	4 3.9	4 3.6	4 6.9	4 9.1	4 10.5	4 9.4
28	4 11.3	3 59.4	4 7.1	4 4.7	4 5.1	4 7.0	4 5.4	4 2.2	4 12.5	4 9.3	4 9.4	4 9.4
29	4 11.4	...	4 6.7	4 7.9	4 3.4	4 7.8	4 4.2	4 7.9	4 9.8	4 9.6	4 10.2	4 11.1
30	4 8.5	...	4 6.7	4 6.3	4 5.0	4 6.2	4 4.1	4 7.7	4 10.8	4 10.2	4 11.7	4 9.6
31	4 8.9	...	4 6.9	...	4 3.4	...	4 4.9	4 6.9	...	4 9·0	...	4 9.6
平均 Means.	4° 11′.10	4° 0′.28	4° 8′.73	4° 6′.14	4° 4′.92	4° 6′.29	4° 6′.52	4° 4′.49	4° 7′.91	4° 9′.31	4° 9′.53	4° 10′.42

風
WIND.

月次 Months.	平穩時數 Hours of Calm.	北 N. 時數 Number of Hours.	北 N. 速力 Number of miles.	北東 N. E. 時數 Number of Hours.	北東 N. E. 速力 Number of miles.	東 E. 時數 Number of Hours.	東 E. 速力 Number of miles.	南東 S. E. 時數 Number of Hours.	南東 S. E. 速力 Number of miles.	南 S. 時數 Number of Hours.	南 S. 速力 Number of miles.	南西 S. W. 時數 Number of Hours.	南西 S. W. 速力 Number of miles.	西 W. 時數 Number of Hours.	西 W. 速力 Number of miles.	北西 N. W. 時數 Number of Hours.	北西 N. W. 速力 Number of miles
Jan.	12	552	4313.6	73	404.8	23	82.1	..	...	..	...	..	...	10	57.3	74	606.8
Feb.	9	392	3716.7	79	416.5	51	185.7	27	107.8	27	113.6	3	14.5	7	12.4	77	582.2
Mar.	24	304	2786.1	56	422.3	38	188.4	56	215.2	65	821.3	49	688.2	11	42.0	141	1833.1
Apr.	9	195	1392.8	72	534.6	37	275.8	67	482.3	160	2317.3	41	407.9	30	109.0	109	884.4
May	12	157	1200.3	134	1036.2	64	447.3	96	564.9	152	1580.1	45	405.9	32	111.0	52	274.0
June	10	108	579.0	109	668.3	71	570.1	150	1167.9	165	1427.9	42	269.8	18	113.2	47	297.6
July	8	63	573.9	101	837.9	20	176.4	88	630.8	323	3649.2	69	432.4	20	54.2	52	265.6
Aug.	9	69	405.6	99	736.4	75	598.4	138	1095.1	258	2093.3	42	232.6	25	48.7	29	95.7
Sept.	1	191	1264.0	58	376.4	31	137.2	62	326.8	138	1641.2	52	434.9	16	62.8	171	883.4
Oct.	3	299	2663.9	93	722.8	48	203.2	59	244.6	48	649.0	15	61.3	24	100.6	155	1350.3
Nov.	2	302	2169.4	48	252.5	27	103.8	67	188.1	51	542.4	23	388.1	16	66.5	184	1476.0
Dec.	..	211	1832.6	51	289.9	36	159.8	31	194.9	45	563.8	69	919.3	37	256.8	264	1812.5
合計 Sums.	99	2843	22897.9	973	6698.6	521	3128.2	841	5218.4	1432	15402.1	450	4254.9	246	1034.5	1355	10361.6

天候
WEATHER.

月次 Months.	雲之種類 Kind of Clouds. 卷雲 Cirrus.	積雲 Cumulus.	層雲 Stratus.	卷積雲 Cirro-Cumulus.	卷層雲 Cirro-Stratus.	積層雲 Cumulo-Stratus.	卷積層雲 Cirro-Cumulo-Stratus.	降雨 Rain.	降雪 Snow.	靄霧 Fog.	全晴 Clear.	陰部 Obscured part.	雨雪水量 Amount of Rain and Snow.
Jan.	7	8	21	56	17	14	5	48	11	...	61	5.9	5.53
Feb.	10	24	26	51	24	28	6	3	2	...	50	4.6	0.11
Mar.	9	20	11	48	34	36	5	15	2	...	68	4.4	6.39
Apr.	19	14	26	51	33	27	7	28	...	7	28	6.4	3.05
May	8	25	19	51	29	50	4	47	...	...	15	7.8	7.22
June	4	28	24	60	25	37	7	47	...	2	6	7.9	9.66
July	10	19	34	69	39	24	3	28	...	2	20	6.7	3.48
Aug.	9	33	31	78	24	26	9	13	...	6	19	6.3	3.65
Sept.	6	12	41	49	25	42	15	41	...	2	7	7.9	4.68
Oct.	9	26	30	54	13	28	3	48	...	1	36	6.5	10.93
Nov.	14	33	40	47	7	20	...	13	...	2	64	5.1	1.86
Dec.	12	15	38	23	10	11	2	4	1	...	132	2.5	0.23
合計 Sums.	117	257	341	637	280	343	66	335	16	22	506	...	56.79
平均 Mean.	...	...	...	...	...	...	...	...	...	...	...	6.0	...

月次 Months.	濕氣百分數 Humidity. (Saturation=100)				水氣張力 Elastic Force of Vapour.				露點温度 Dew Point.			
	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.
					in	in	in	in	°	°	°	°
Jan.	74	75	74	68	0.151	0.145	0.162	0.177	26.4	25.3	28.8	30.9
Feb.	70	71	62	50	0.145	0.137	0.149	0.164	26.3	24.9	27.0	29.2
Mar.	74	72	58	50	0.180	0.165	0.187	0.205	30.7	28.6	31.5	34.3
Apr.	85	86	70	63	0.306	0.295	0.321	0.342	44.3	43.4	45.6	47.4
May	89	88	76	69	0.386	0.387	0.416	0.445	51.4	51.4	53.4	55.1
June	94	92	79	70	0.574	0.571	0.588	0.590	62.8	62.6	63.5	63.6
July	94	94	81	73	0.719	0.713	0.743	0.753	69.2	68.9	70.1	70.5
Aug.	95	95	78	69	0.797	0.782	0.804	0.816	72.3	71.8	72.6	73.0
Sept.	90	91	79	72	0.599	0.588	0.616	0.654	63.6	63.0	64.4	66.2
Oct.	92	91	80	72	0.459	0.448	0.481	0.510	55.9	55.2	57.2	58.8
Nov.	83	84	73	63	0.287	0.283	0.306	0.333	43.2	42.7	44.7	47.1
Dec.	74	74	64	53	0.165	0.162	0.178	0.204	29.1	28.5	31.2	34.9
平均 Means.	85	84	73	64	0.397	0.390	0.413	0.433	47.9	47.2	49.1	50.9

月次 Months.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Mid night	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Mid night	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Mid night
					in	in	in	in	°	°	°	°
Jan.	67	74	75	75	0.184	0.180	0.169	0.162	31.9	31.2	29.5	28.1
Feb.	50	60	66	70	0.173	0.174	0.166	0.155	30.5	30.5	29.4	27.8
Mar.	49	59	63	70	0.209	0.203	0.198	0.192	35.1	34.0	33.1	32.2
Apr.	61	70	75	79	0.318	0.347	0.326	0.324	48.0	47.8	46.1	45.9
May	70	76	83	86	0.410	0.432	0.420	0.412	54.9	54.4	53.7	53.1
June	72	76	87	90	0.596	0.590	0.592	0.587	63.9	63.5	63.6	63.4
July	70	78	89	93	0.747	0.730	0.736	0.741	70.3	69.6	69.8	70.0
Aug.	68	78	88	93	0.819	0.803	0.809	0.810	73.1	72.5	72.8	72.5
Sept.	73	81	86	88	0.668	0.646	0.628	0.604	66.7	65.8	65.0	63.8
Oct.	73	86	89	92	0.520	0.520	0.500	0.475	59.4	59.5	58.4	56.9
Nov.	64	77	82	82	0.351	0.351	0.336	0.302	48.5	48.5	47.3	44.5
Dec.	56	65	72	72	0.230	0.205	0.194	0.177	37.3	34.3	33.1	30.5
平均 Means.	64	73	80	83	0.440	0.432	0.423	0.412	51.6	51.0	50.2	49.1

月次 Months.	寒暖計 Thermometer. 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	改正晴雨計 Borometer. Reduced to 32° F. and Sea level, 午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.
	°	°	°	°	in.	in.	in.	in.
Jan.	34.0	33.0	36.7	41.7	30.069	30.080	30.113	30.071
Feb.	35.2	33.4	39.1	47.4	30.012	30.028	30.054	30.025
Mar.	38.8	37.0	45.9	53.4	29.932	29.916	29.965	29.930
Apr.	49.0	47.9	56.0	60.9	29.925	29.938	29.949	29.918
May	54.7	55.0	61.4	66.0	29.951	29.970	29.982	29.955
June	64.7	65.5	70.8	74.5	29.763	29.787	29.800	29.778
July	71.0	70.9	76.6	80.3	29.871	29.886	29.897	29.885
Aug.	74.0	73.5	80.1	84.4	29.868	29.881	29.894	29.873
Sept.	66.8	65.7	71.5	76.1	29.900	29.916	29.935	29.920
Oct.	58.4	57.7	63.7	68.6	30.054	30.064	30.088	30.054
Nov.	48.5	47.5	53.6	60.5	30.046	30.061	30.093	30.055
Dec.	36.8	36.1	42.7	52.1	29.943	29.955	29.989	29.947
平均 Means.	52.7	51.9	58.2	68.8	29.945	29.959	30.980	29.951

月次 Months.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight
	°	°	°	°	in.	in.	in.	in.
Jan.	43.3	39.2	37.1	35.6	30.033	30.055	30.073	30.058
Feb.	48.9	43.5	40.5	36.8	29.985	30.016	30.034	30.033
Mar.	54.3	48.5	44.4	41.7	29.885	29.913	29.945	29.946
Apr.	62.3	58.1	54.4	51.6	29.872	29.881	29.923	29.921
May	65.7	62.5	59.0	57.4	29.921	29.920	29.966	29.968
June	74.2	71.0	67.9	66.3	29.746	29.732	29.766	29.764
July	81.5	77.3	73.4	72.2	29.862	29.857	29.891	29.888
Aug.	84.8	80.2	76.5	75.1	29.842	29.846	29.886	29.883
Sept.	76.6	72.5	69.6	67.9	29.886	29.895	29.923	29.912
Oct.	69.2	64.1	61.5	59.2	30.032	30.056	30.087	30.073
Nov.	61.6	56.1	53.1	50.1	30.017	30.037	30.054	30.047
Dec.	53.2	45.5	41.9	39.1	29.912	29.931	29.943	29.933
平均 Means.	64.6	59.9	56.6	54.4	29.916	29.928	29.958	29.952

氣象觀測之年報

東京海軍觀象臺

REPORT

OF THE

METEOROLOGICAL OBSERVATIONS FOR THE YEAR. 1887.

NAVAL OBSERVATORY, TOKIO.

Lat. 35° 39′ 17″.5 N. Long. 139° 44′ 30″.3 E. Height above Sea-level, 70 feet.

月次 Months.	改正晴雨計 Barometer. Reduced to 32° F. & sea level.			寒暖計 Thermometer.			露點溫度平均 Mean Temp. of Dewpoint.	水氣張力平均 Mean elastic force of Vapour.	濕氣百分數平均 Mean Humidity (Sat. = 100.)	無氣日射熱高極 Vacuum Solar radiation Max.	日射熱高極 Solar radiation Max.	地射熱低極 Terrestrial radiation Min.
	平均 Mean.	高極 Max.	低極 Min.	平均 Mean.	高極 Max.	低極 Min.						
	in	in	in	°	°	°	°	in		°	°	°
Jan.	30. 069	*30. 513	29. 555	37. 6	56. 5	*18. 2	29. 0	0. 166	73	117. 0	83. 5	12. 0
Feb.	30. 023	30. 368	29. 609	40. 5	59. 5	25. 8	28. 2	0. 158	62	129. 0	87. 9	20. 0
Mar.	29. 933	30. 333	*29. 051	45. 5	67. 2	28. 5	32. 4	0. 192	62	138. 9	102. 2	18. 2
Apr.	29. 916	30. 360	29. 246	55. 0	77. 0	34. 7	46, 1	0. 326	74	146. 9	101. 2	28. 7
May	29. 954	30. 364	29. 523	60. 2	80. 1	40. 4	53. 4	0. 417	80	147. 0	103. 5	36. 0
June	29. 767	30. 179	29. 294	69. 4	88. 9	56. 8	63. 4	0. 586	83	159. 8	116. 8	49. 0
July	29. 880	30. 073	29. 644	75. 4	89. 0	58. 9	69. 8	0. 735	84	160. 0	*121. 1	51. 2
Aug.	29. 872	30. 043	29. 499	78. 6	*92. 1	67. 0	72. 6	0. 805	83	*163. 9	117. 9	62. 7
Sept.	29. 911	30. 240	29. 370	70. 8	87. 8	54. 0	64. 8	0. 625	82	152. 4	115. 0	45. 0
Oct.	30. 064	30. 397	29. 368	62. 8	81. 3	44. 0	57. 7	0. 489	84	149. 4	110. 0	33. 5
Nov.	30. 051	30. 426	29. 589	53. 9	68. 9	35. 5	45. 8	0. 319	76	129. 0	88. 1	24. 0
Dec.	29. 944	30. 280	29. 418	43. 4	66. 1	24. 5	32. 4	0. 189	66	122. 7	80. 0	*11. 5
平均 Mean.	29. 949	...	...	57. 8	...	...	49. 6	0. 417	76	...	...	...
極至 Max.& Min.	...	30. 513	29. 051	...	92. 1	18. 2	...	...	...	163. 9	121. 1	11. 5

凡例

一晴雨計ハ氷點及海面ニ改正ス

一寒暖計ハ都テ華氏ノ度表ヲ用フ

一露點、濕氣、水氣張力ハ燥濕兩球寒暖計ノ實驗ヨリ算出ス

一風ノ方向及速力ハ自記驗風儀ヲ以テ之ヲ測ル而シテ方向ハ八點ニ分チ速力ハ英里ヲ以テ算ス

一天候ノ表中降雨、降雪、靄霧、雲ノ種類ハ悉皆觀望ノ時數ヲ掲ゲ陰部ハ一日間全陰ヲ十トシ他ハ之ニ比例ス

又雨雪ノ水積ハ毎午前九時ニ實驗シ英寸ヲ以テ之ヲ示ス

一磁氣偏差ハ連日午前七時傾差及地平磁氣力ハ連月兩回之ヲ觀測ス

一此觀測ノ用器ハ偏差儀傾差儀及「ユーニフアイラ」磁氣儀ナリ

一偏針角ノ觀測ニ於テ兩磁竿中心ノ相距ハ一、三英尺トス

一搖振時ノ觀測ニ用フル磁竿ノ尺度一劃分ノ價ハ二分、三七ナリ

NOTE.

The Barometer readings are reduced to freezing point (32° F) and sea level.

Dew point, Humidity and Elastic force of Vapour are deduced from the readings of the dry and wet bulb thermometers.

Direction and Velocity of Wind are measured by Beckley's anemograph.

The numbers under the headings of Rain, Snow, Fog and the kinds of Cloud (C. K. S. N. or Rain) denote how many, out of eight observations made in a day, are either of them.

The portion of sky obscured is determined by estimation after a careful scrutiny of the clouds or sky. A clear sky is denoted by 0, and a total obscuration by 10.

The amount of Rain and Snow are measured at 9 a. m.

The Magnetic declination is observed at 7 a. m. every day, the inclination and the horizonta intensity twice a month, the instruments in use being Declinometer, Inclinometer, and Unifilar Magnetometer. *

* The apparent distance between the centers of the deflecting and the suspending magnets in the observation of deflection = 1. 3 feet.

The angular value of one scale division of the vibration magnet = 2'.37.

氣象及磁氣年報

東京海軍觀象臺

明治二十年中

REPORT

OF THE

METEOROLOGICAL AND MAGNETICAL OBSERVATIONS,

FOR

THE YEAR 1887,

AT THE

NAVAL OBSERVATORY,

TOKIO.